

AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~. Please add claims 13-18.

1 (original): A molded interior trim installation material for an automobile, comprising:
an air permeable design layer that faces an interior surface of the automobile and that has a flow resistance value of less than 500Nsm^{-3} ;

a shape-retaining felt layer that can maintain its molded shape and that has a flow resistance value of less than 500Nsm^{-3} ; and

an porous adhesive layer that serves to adhere said air permeable design layer and said shape-retaining felt layer and that forms openings therein;

wherein said air permeable design layer, said shape-retaining felt layer, and said porous adhesive layer are laminated and are three-dimensionally formed into a shape that matches a shape of a portion of the automobile where the molded interior trim installation material is installed.

2 (currently amended): The molded interior trim installation material for an automobile according to Claim 1, wherein a flow resistance value of a laminate of said air permeable design layer, said shape-retaining felt layer, and said porous adhesive layer ~~are~~is within a range from 500 to 4000Nsm^{-3} .

3 (currently amended): The molded interior trim installation material for an automobile according to Claim 1 ~~or 2~~, comprising:

a flat molded portion that extends along a flat portion of the interior surface of the automobile; and

a vertical wall molded portion that extends upwardly from said flat molded portion:

wherein a flow resistance value of a laminate of said air permeable design layer, said shape-retaining felt layer, and said porous adhesive layer in said vertical wall molded portion are relatively smaller than that in said flat molded portion.

4 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 3~~Claim 1, comprising:

a flat molded portion that extends along a flat portion of the interior surface of the automobile; and

a vertical wall molded portion that extends upwardly from said flat molded portion:

wherein a flow resistance value of a laminate of said air permeable design layer, said shape-retaining felt layer, and said porous adhesive layer in said vertical wall molded portion at a front side of the automobile are relatively smaller than that in said flat molded portion.

5 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 4~~Claim 1, further comprising:

a flat molded portion that extends along a flat portion of the interior of the automobile; and

a vertical wall molded portion that extends upwardly from said flat molded portion:

wherein a flow resistance value of a laminate of said air permeable design layer, said shape-retaining felt layer, and said porous adhesive layer in said vertical wall molded portion of a luggage compartment of the automobile are relatively smaller than that in said flat molded portion.

6 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 5~~Claim 1, wherein a flow resistance value of said porous adhesive layer is within a range from 300 to 3500Nsm⁻³.

7 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 6~~Claim 1, wherein a diameter of each of said openings in said porous adhesive layer is in a range from 0.5 to 3.0 mm, and the number of said openings is in a range from 40 to 500/100cm².

8 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 7~~Claim 1, wherein openings are formed halfway through said air permeable design layer or said shape-retaining felt layer at positions that face said openings in said porous adhesive layer.

9 (original): The molded interior trim installation material for an automobile according to Claim 8, wherein said opening formed halfway through said air permeable design layer or said shape-retaining felt layer is shaped into a cone that is relatively broad at an entrance side and relatively narrow at a deep side.

10 (currently amended): The molded interior trim installation material for an automobile according to ~~any one of Claims 1 to 9~~Claim 1, wherein a spit fiber formed by extruding different kinds of resins from the same base is included in said air permeable design layer and/or said shape-retaining felt layer.

11 (original): A method of manufacturing a molded interior trim installation material for an automobile, comprising the steps of:

forming an air permeable design layer that faces an interior surface of the automobile and that has a flow resistance value of less than 500Nsm^{-3} ;

forming a shape-retaining felt layer that can maintain its molded shape and that has a flow resistance value of less than 500Nsm^{-3} ;

forming openings in a thermoplastic resin film by using a heat needle;
laminating said air permeable design layer and said shape-retaining felt layer through said thermoplastic resin film that is formed with said openings and that is heated and molten; and

thermally forming a laminate of said air permeable design layer, said thermoplastic resin film, and said shape-retaining felt layer to provide a three-dimensional shape that matches a shape of a portion of the automobile where the molded interior trim installation material is installed.

12 (original): The method according to Claim 11, wherein, while said thermoplastic resin film is overlaid on one surface of said air permeable design layer or said shape-retaining felt layer, by using a machine for forming an opening with many heat needles implanted on a circumference, said openings are formed from said thermoplastic resin film side to said air permeable design layer side or from said thermoplastic resin film side to said shape-retaining felt layer side so as to pass through said thermoplastic resin film and so as to pass halfway through said air permeable design layer or said shape-retaining felt layer.

13 (new): A spreading interior trim material molded to be fitted to an automobile at a spreading position, comprising a laminate having a flow resistance value of 500 to 4000Nsm^{-3} comprising:

an air permeable design layer which is an outermost layer having a flow resistance value of less than 500Nsm^{-3} ;

a shape-retaining felt layer capable of maintaining its molded shape and having a flow resistance value of less than 500Nsm^{-3} ; and

a porous adhesive layer bonding the air permeable design layer and the shape-retaining felt layer and having a flow resistance value of 300 to 3500Nsm^{-3} , said porous adhesive layer having 40 - 500 throughholes per 100 cm^2 each having a diameter of 0.5 to 3.0 mm , said throughholes being uprightly formed between the air permeable design layer and the shape-retaining felt layer.

14 (new): The spreading interior trim material according to Claim 13, wherein the laminate is comprised of:

a horizontal molded portion; and

an upward wall molded portion that extends upwardly from the horizontal molded portion,

wherein the upward wall molded portion has a flow resistance value smaller than that of the horizontal molded portion.

15 (new): The spreading interior trim material according to Claim 13, wherein the shape-retaining felt layer has a thickness of 2 - 5 mm and a density of 50 - 300 kg/m^3 .

16 (new): The spreading interior trim material according to Claim 13, wherein the shape-retaining felt layer is made of a synthetic fiber felt including 5 - 30% by weight of a thermoplastic resin fiber having a melting point of 100 to 200°C .

17 (new): The spreading interior trim material according to Claim 13, wherein the porous adhesive layer is made of a thermoplastic resin having a melting point of 100 - 300°C .

18 (new): The spreading interior trim material according to Claim 17, wherein the thermoplastic resin is selected from the group consisting of polyethylene resin, polypropylene resin, and modified polyester resin.